

Day 1

Baseline Design and Requirements

- 09:00 Welcome
- 09:15 Baseline Design [Dewdney, 45 min]
- 10:00 Science requirements: office perspective [Huynh, 15 min]
- 10:15 Discussion [30 min]

- 10:45 Coffee

Array Configuration

- 11:15 Overall perspective of HI science and array configuration [Oosterloo, 15 min]
- 11:30 Performance of array configuration [Braun, 15 min]
- 11:45 Discussion [45 min]

- 12:30 Lunch

- 14:00 Simulations of array configurations [Popping, 15 min]
- 14:15 Simulations of array configurations [Carignan, 15 min]
- 14:30 High-z HI requirements for spatial resolution [Baker, 15 min]
- 14:45 Requirements for spatial resolution for nearby galaxies [de Blok, 15 min]

- 15:00 Tea

- 15:30 Discussion on SKA1 array configuration and alternatives [60min]

Day 2

Intensity Mapping perspective

- 09:00 Tzu-Ching Chang [30 min]
- 09:30 Discussion

HI absorption perspective

- 10:00 HI absorption with SKA1 [Zwaan, 15 min]
- 10:15 HI absorption with SKA1 [Gupta (remote), 15 min]
- 10:30 Discussion

- 10:45 Coffee

Frequency band selection & spectral resolution

- 11:15 Optimum band definition from the survey point of view [Baker, 15 min]
- 11:30 Possible impact of RFI [Oosterloo, 15 min]
- 11:45 Possible impact of RFI [Staveley-Smith, 15 min]
- 12:00 Discussion

- 12:30 Lunch

SKA1 Top level Science requirements draft document

14:00 Rationale [Braun, 15 min]

14:15 Discussion

15:00 Tea

Computation, Archive, User model

15:30 Computation issues [Cornwell, 30 min]

16:00 Other related issues [Oosterloo, 15 min]

16:15 Discussion

Galactic HI

17:00 Requirements for Galactic HI studies [McClure-Griffiths (remote), 15 min]

17:15 Discussion

Day 3

09:00 Summary of workshop [all]

10:00 Document preparation [all]

11:00 Coffee

11:30 Presentation and discussion of summary document [all]

12:30 Lunch